

MPRAPRCRAVRSLRLRSHYREVLPLATFVRRLGPQGWRLVQRGDP
AAFRALVAQCLVCVPWDARPPPAASFRQVSCLELVARVLQRL
CERGAKNVLAFGFALLDGARGGPPEAFTTSVRSYLPNTVTDALR
GSGAWGLLLRRVGGDDVLVHLLARCALFVLVAPSCAYQVCGPPPLY
QLGAATQARPPPHASGPRRRLGCERAWNHSVREAGVPLGLPAPG
ARRRGGSSASRSLPLPKRPRRGAAPEPERTPVGGQGSWAHPGRTGR
PSDRGFCVVSPPARPAEEATSLEGALSGTRHSHPSVGRQHHAGPP
STSRPPRPWDTPCPPVYAETKHFLYSSGDKEQLRPSFLLSSLRP
SLTGARRLVETIFLGSRPWMPGTPRRLPRLPQRYWQMRPLFLEL
LGNHAQCPYGVLLKTHCPLRAAVTPAAGVCAREKPGQSVAAPPE
EDTDPRRLVQLLRQHSSPWQVYGFVRACLRLRLVPPGLWGSRHNE
RRFLRNTKKFISLGKHAKLSLOELTWKMSVRDCAWLRRSPGVGC
VPAAEHRLREEILAKFLHWLMSVYVVELLRSFFYVTETTFOKNR
LFFYRKS VWSKLQSIGIRQHLKRVQLRELSEA EVRQHREARPAL
LTSRLRFIPKPDGLRP IVNMDYVVGARTFRREKRAERLTSRVKA
LFSVLNYERARRPGLLGASVLGLDDIHRWRFTVLRVRAQDPPP
ELYFVKVDVTGAYDTIPQDRLTEVIASIIKPQNTYCVRRYAVVQ
KAAHGHVRKAFKSHVSTLTDLPYMRQFVAHLQETSPLRDAVVI
EQSSSLNEASSGLFDVFLRFMCHHAVRIRGKSYVQCQGI PQGSI
LSTLLCSLCYGD MENKLFAGIRRDGLLLRLVDDFLVTPHLTHA
KTFLRTLVRGVPEYGC VVNLRKTVVNF PVEDEALGGTAFVQMPA
HGLFPWCGLLLDTRTLEVQSDYSSYARTSIRASLTFRNGFKAGR
NMRRKLFGLVRLKCHSLFLDLQVNSLQTVCTNIYKILLQAYRF
HACVLQLPFFHQQVWKNPTFFLRVISDTASLCYSILKAKNAGMSL
GAKGAAGPLPSEAVQWLCHQAFLLKLTRHRVTYVPLLGSLRTAQ
TOLSRKLP GTTTLTALEAAANPALPSDFKTILD

FIG. 1

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1 gcagcgctgc gtcctgctgc gcacgtggga agccctggcc ccggccaccc ccgcatgccc
61 gcgcgctccc cgctgcccag ccgtgcgctc cctgctgcgc agccactacc gcgaggtgct
121 gccgctggcc acgttcctgc ggcgcctggg gcccagggc tggcggtggt tgcagcgccg
181 ggacccggcg gctttccgcg cgctggtggc ccagtgctcg gtgtgctggt cctggggacgc
241 acggccgccc ccggccgccc cctcctcccg ccagtgctcc tgcctgaagg agctggtggc
301 ccgagtgctg cagaggtgct gcgagcgccg cgcgaagaac gtgctggcct tcggcttcgc
361 gctgctggac ggggcccgcg ggggcccccc cgagggcctc accaccagcg tgcgcagcta
421 cctgcccac acgggtgacc acgcactgcg ggggagcggg gctggggggc tgcgtgctgcg
481 ccgcgtgggc gacgacgtgc tggttcacct gctggcacgc tgcgcgctct ttgtgctggt
541 ggctcccagc tgcgcctacc aggtgtgcgg gccgcccgtg taccagctcg gcgctgccac
601 tcaggcccg ccgccccac acgctagtgg accccgaagg cgtctgggat gcgaacgggc
661 ctggaaccat agcgtcaggg agggccgggg cccctgggg ctggcagccc cgggtgagag
721 gagcgcggg ggagtgcca gccgaagtct gccgttgccc aagaggccca gctggtggc
781 tgccctgag ccggagcgga cgcctgtgg gcaggggtcc tggggccacc cgggcaggac
841 gcgtggaccg agtgaccgtg gtttctgtgt ggtgtcacct gccagaccg ccgaagaagg
901 cactctcttg gagggtgcgc tctctggcac gcgccactcc caccatccg tgggcccgc
961 gcaccacgcg gggcccccac ccacatcgcg gccaccacgt ccctgggaca cgccttgtcc
1021 cccggtgtac gccgagacca agcacttcct ctactctca ggcgacaagg agcagctgcg
1081 gccctccttc ctactcagct ctctgaggcc cagcctgact ggcgctcgga ggctcgtgga
1141 gaccatcttt ctgggttcca ggccctggat gccagggact ccccgagggt tgcctcgct
1201 gcccagcgc tactggcaaa tggggccct gtttctggag ctgcttggga accacgcgca
1261 gtgcccctac ggggtgctcc tcaagacgca ctgcccgtcg cgagctgagg tcaccccagc
1321 agccgggtgc tgtgcccggg agaagcccca gggctctgtg gcggcccccg agggaggaga
1381 cacagacccc cgtgcctgg tgcagctgct ccgccagcac agcagccctt ggcaggtgta
1441 cggcttcctg cgggcctgcc tgcgcggct ggtgcccaca ggcctctggg gctccaggca
1501 caacgaagc cgcttcctca ggaacaccaa gaagtcatc tccctgggga agcatgccaa
1561 gctctcgctg caggagctga cgtggaagat gagcgtgcgg gactgcgctt gctcagctt
1621 gagcccgagg gttggctgtg ttccggccgc agagcaccgt ctgctgagg agatcctggc
1681 caagttcctg cactggctga tgagtgtgta cgtcgtcgag ctgctcagg ctctcttcta
1741 tgtcacggag accacgtttc aaaagaacag gctctttttc taccggaaga gtgtctggag
1801 caagtgtcaa agcattggaa tcagacagca cttgaaggag gtgcagctgc gggaggtgtc
1861 ggaagcagag gtcaggcagc atcgggaagc caggcccgcc ctgctgacgt ccagactccg
1921 cttcatcccc aagcctgacg ggctgcccgc gattgtgaac atggactacg tcgtgggagc
1981 cagaacgttc cgcagagaaa agaggccgga gcgtctcacc tcgagggtga aggcactgtt
2041 cagcgtgctc aactacgagc gggcgccgcg ccccgccctc ctggggcgct ctgtgctggg
2101 cctggacgat atccacaggg cctggcgcac ctctgtgctg cgtgtgcggg ccaggacccc
2161 gccgcctgag ctgtactttg tcaagtgga tgtgacgggc gcgtacgaca ccatccccc
2221 ggcagggctc acggaggtca tcgccagcat catcaaaccc cagaacacgt actgcgtgag
2281 tcgggtatgct gttgtccaga agggccgcca tgggcacgtc cgcaaggcct tcaagagcca
2341 cgtctctacc ttgacagacc tccagccgta catgcgacag ttctggtgct accctgcagga
2401 gaccagcccg ctgagggatg ccgtcgtcat cagagcagag tccctccctga atgaggccag
2461 cagtggccctc ttccagctct tccacgctt catgtgccac cagccgctgc gcatcagggg
2521 caagtccctac gtccagtgcc aggggatccc gcaggggtcc atcctctcca cgctgctctg
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2701 ctctctcagg accctggtcc gaggtgtccc tgagtatggc tgcgtggtga acttgcgga
2761 gacagtgggt aacttccctg tagaagacga ggccctgggt ggcacggctt ttgttcagat
2821 gccggcccac ggctatttcc cctggtgagg cctgctgctg gatacccgga ccttgaagg
2881 gcagagcgac tactccagct atgcccggac ctccatcaga gccagcttca ccttcaaccg
2941 cggcttcaag gctgggagga acatgcgtcg caaactcttt ggggtcttgc ggctgaagt
3001 tcacagcctg tttctggatt tgcaggtgaa cagcctccag acggtgtgca ccaacatcta
3061 caagatcctc ctgtgcagg cgtacaggtt tcacgcatgt gtgctgcagc tcccatttca
3121 tcagcaagtt tggagaacc ccacattttt cctgcgcgtc atctctgaca cggcctccct
3181 ctgctactcc atcctgaaag ccaagaacgc agggatgtcg ctgggggcca agggcgccgc
3241 cggccctctg ccctccgagg ccgtgcagtg gctgtgccac caagcattcc tgcctcaagct
3301 gactcgacac cgtgtcacct acgtgccact cctgggggtca ctcaggacag ccagacgca
3361 gctgagtcgg aagctcccgg ggacgacgct gactgccctg gagggccgag ccaaccggc
3421 actgcccctc gacttcaaga ccatcctgga ctgatggcca cccgcccaca gccaggccga
3481 gagcagacac cagcagccct gtcacgcggg gctctacgtc ccaggagggg agggggcgcc
3541 cacacacagg cccgacccgg tgggagtcgt aggcctgagt gagtgtttgg cggaggtcct
3601 catgtccggc tgaaggctga gtgtccggct gaggcctgag cgagtgtcca gccagggct
3661 gagtgtccag cacacctgcc gtcttcaact cccacagggc tggcgctcgg ctcacccca
3721 gggcgagctt ttctcacca ggagccggc tccactccc cacataggaa tagtccatcc
3781 ccagattcgc cattgttcac ccctcgccct gccctcttt gccttccacc cccaccatcc
3841 aggtggagac cctgagaagg accctgggag ctctgggaat ttggagtga ccaaggtgtg
3901 ccctgtacac aggcgaggac cctgcacctg gatgggggtc cctgtgggtc aaattggggg
3961 gagggtgctg gggagtaaaa tactgaatat atgagttttt cagttttgaa aaaaa

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FIG. 2